

INTERNATIONAL SEARCH REPORT

PCT/IB2004/051294

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H03K17/0412

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H03K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| A | US 4 967 109 A (STEIGERWALD ROBERT L) 30 October 1990 (1990-10-30) column 3, line 15 - column 4, line 23; figures 2,3 | 1-9 |
| A | EP 0 568 279 A (RAYTHEON CO) 3 November 1993 (1993-11-03) column 5, line 4 - column 6, line 23; figure 1 | 1-9 |
| A | "RECOVERING ENERGY FROM A RAPIDLY SWITCHED GATE" NTIS TECH NOTES, US DEPARTMENT OF COMMERCE. SPRINGFIELD, VA, US, 1 December 1990 (1990-12-01), page 1046, XP000179947 ISSN: 0889-8464 the whole document | 1-9 |

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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

1 December 2004

Date of mailing of the international search report

08/12/2004

Name and mailing address of the ISA

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| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|--|--|-----------------------|
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| A | <p>MAKSIMOVIC D ED - INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS: "A MOS gate drive with resonant transitions" PROCEEDINGS OF THE ANNUAL POWER ELECTRONICS SPECIALISTS CONFERENCE. MASSACHUSETTS, 25 - 27 JUNE, 1991, NEW YORK, IEEE, US, vol. CONF. 22, 24 June 1991 (1991-06-24), pages 527-532, XP010048340 ISBN: 0-7803-0090-4 cited in the application page 528, paragraph 4 - page 530; figure 2 -----</p> | 1-9 |